

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 2    | "7134139".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 11:51 |
| L2    | 1    | "7134139".pn. and (encryp\$ crypto\$ encod\$ securi\$)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 12:48 |
| L3    | 2959 | control adj message.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 12:48 |
| L4    | 2959 | control.clm. adj message.clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 12:48 |
| L5    | 3    | control.clm. adj message.clm. same reason.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 13:25 |
| L6    | 9914 | public adj key and (digital adj signature watermark)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 13:26 |
| L7    | 424  | I6 and (generate generating generates produce producing) adj public adj key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 13:27 |
| L8    | 7    | I6 and (generate generating generates produce producing) adj public adj key with watermark  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/25 13:27 |
| L9    | 7    | (US-20020191809-\$ or US-20050097333-\$ or US-20050097334-\$).did. or (US-5905800-\$ or US-6891958-\$).did. or (JP-2002232413-\$).did. or (JP-2002232413-\$).did. | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                                     | OR               | ON      | 2007/01/25 13:36 |
| L10   | 670  | 713/171.ccls.   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                                     | OR               | ON      | 2007/01/25 13:46 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| L11 | 670     | 713/171.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/25 13:36 |
| L12 | 0       | control adj message same reason same isakmp   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                                     | OR | ON | 2007/01/25 13:47 |
| L13 | 7       | control adj message same isakmp   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                                     | OR | ON | 2007/01/25 13:47 |
| S1  | 3621    | ike or ipsec or isakmp or "internet key exchange" or "ip security" or "internet security association key management protocol" | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/07 08:30 |
| S2  | 18      | modif\$4 adj securit\$3 adj4 associat\$5  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:16 |
| S3  | 4537    | securit\$3 adj4 associat\$5   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:17 |
| S4  | 671     | security adj association  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:17 |
| S5  | 2439326 | (LAN or WAN or network) same4 (control or event) same4 message\$  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:18 |
| S6  | 122185  | (LAN or WAN or network) and (control or event) and message\$  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/04 10:42 |
| S7  | 24645   | (LAN or WAN or network) and (control or event) adj4 . message\$   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:22 |
| S8  | 1249    | "keep-alive"  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:22 |
| S9  | 737     | "reason information"  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:23 |
| S10 | 4       | S1 and S2   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:23 |
| S11 | 4       | S1 and S2   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:23 |
| S12 | 593     | S1 and S3   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:24 |
| S13 | 0       | S1 and (S3 or S4 or S2) and (S6 or S7) and S8 and S9  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:25 |
| S14 | 17      | S1 and (S3 or S4 or S2) and (S6 or S7) and S8   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:25 |
| S15 | 1       | S1 and (S3 or S4 or S2) and (S6 or S7) and S9   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:25 |
| S16 | 472     | S1 and (S3 or S4 or S2) and (S6 or S7)  | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:27 |
| S17 | 2537    | (S3 or S4 or S2) and (S6 or S7)   | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:25 |
| S18 | 323     | S1 and (S3 or S4 or S2) and (S6 or S7) and ("713"/\$.ccls. or "714"/\$.ccls. or "709"/\$.ccls. or "700"/\$.ccls.)             | US-PGPUB;<br>USPAT   | OR | ON | 2004/10/01 13:41 |
| S19 | 113     | S1 and (S3 or S4 or S2) and (S6 or S7) and ("713"/\$.ccls. or "714"/\$.ccls. or "709"/\$.ccls. or "700"/\$.ccls.)             | USPAT  | OR | ON | 2004/10/01 13:44 |
| S20 | 1038    | 714/4.ccls. or 714/3.ccls.  | USPAT  | OR | ON | 2004/10/01 13:46 |
| S21 | 861     | (714/4.ccls. or 714/3.ccls.) and network  | USPAT  | OR | ON | 2004/10/01 13:46 |
| S22 | 162     | (714/4.ccls. or 714/3.ccls.) and network and ((control or event) adj5 messag\$4)  | USPAT  | OR | ON | 2004/10/01 14:10 |
| S23 | 6       | (714/4.ccls. or 714/3.ccls.) and network and ((control or event) adj5 messag\$4) and "keep-alive"                             | USPAT  | OR | ON | 2004/10/01 14:11 |

## EAST Search History

|     |       |  |                    |    |    |                  |
|-----|-------|--|--------------------|----|----|------------------|
| S24 | 2428  | data adj3 network and ((control or event) adj3 messag\$4) and reason   | USPAT              | OR | ON | 2004/10/01 14:14 |
| S25 | 56    | data adj3 network and ((control or event) adj3 messag\$4) and reason and security adj association\$2   | USPAT              | OR | ON | 2004/10/01 14:24 |
| S26 | 0     | "ip security control message"  | USPAT              | OR | ON | 2004/10/01 14:25 |
| S27 | 0     | "control message" and "reason informaion"  | USPAT              | OR | ON | 2004/10/01 14:25 |
| S28 | 4     | "control message" and "reason information"   | USPAT              | OR | ON | 2004/10/01 14:29 |
| S29 | 7682  | "control message" or "reason information"  | USPAT              | OR | ON | 2004/10/01 14:29 |
| S30 | 3547  | S29 and ((data adj3 network\$3) or LAN or WAN)   | USPAT              | OR | ON | 2004/10/01 14:30 |
| S31 | 4462  | S29 and (((data or communication\$2) adj3 network\$3) or LAN or WAN)   | USPAT              | OR | ON | 2004/10/01 14:31 |
| S32 | 91223 | ((((data or communication\$2) adj3 network\$3) or LAN or WAN)  | USPAT              | OR | ON | 2004/10/01 14:31 |
| S33 | 16777 | (control or event) adj3 messag\$3  | USPAT              | OR | ON | 2004/10/01 14:31 |
| S34 | 8632  | S32 and S33  | USPAT              | OR | ON | 2004/10/01 14:32 |
| S35 | 7742  | S34 and transmit\$3  | USPAT              | OR | ON | 2004/10/01 14:32 |
| S36 | 77    | S35 and (security adj3 association\$2)   | USPAT              | OR | ON | 2004/10/01 15:09 |
| S37 | 173   | (data or communicat\$6) adj3 network\$2 and (action adj6 response adj6 messag\$4)  | USPAT              | OR | ON | 2004/10/01 15:24 |
| S38 | 69    | (data or communicat\$6) adj3 network\$2 and (action adj6 response adj6 messag\$4) and ("700"/\$.ccls. or "709"/\$.ccls. or "713"/\$.ccls. or "718"/\$.ccls. or "714"/\$.ccls.) | USPAT              | OR | ON | 2004/10/01 15:38 |
| S39 | 2330  | (control or event) adj messag\$4 and ("700"/\$.ccls. or "709"/\$.ccls. or "713"/\$.ccls. or "718"/\$.ccls. or "714"/\$.ccls.)  | USPAT              | OR | ON | 2004/10/01 15:44 |
| S40 | 50    | "first network device" and((control or event) adj messag\$4) and ("700"/\$.ccls. or "709"/\$.ccls. or "713"/\$.ccls. or "718"/\$.ccls. or "714"/\$.ccls.)                      | USPAT              | OR | ON | 2004/10/01 15:53 |
| S41 | 1     | "09816833" "09151744" "09808404" "09729199" "6708187"  | USPAT              | OR | ON | 2004/10/01 15:54 |
| S42 | 3     | "09/816,833" "09/151,744" "09/808,404" "09/729,199" "6708187"  | USPAT              | OR | ON | 2004/10/01 15:55 |
| S43 | 10    | "09/816,883" "09/151,744" "09/808,404" "09/729,199" "6708187"  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:19 |
| S44 | 898   | generat\$3 adj4 control\$2 adj2 message\$3   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:19 |
| S45 | 790   | S44 and (network or LAN or WAN)  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:20 |
| S46 | 667   | S45 and transmit   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:20 |
| S47 | 759   | S45 and transmit\$3  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:20 |
| S48 | 647   | S47 and device   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:20 |
| S49 | 609   | S48 and (action or response)   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:21 |
| S50 | 304   | S49 and reason   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:21 |
| S51 | 6     | S50 and security adj3 association\$3   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:22 |
| S52 | 303   | S50 and noe  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:22 |
| S53 | 146   | S50 and node   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:24 |
| S54 | 80    | messag\$4 and "self-healing networks"  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:50 |
| S55 | 0     | "generating a control message"   | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:50 |
| S56 | 0     | "generates a control message"  | US-PGPUB;<br>USPAT | OR | ON | 2004/10/01 16:50 |

## EAST Search History

|     |        |  |                              |    |     |                  |
|-----|--------|--|------------------------------|----|-----|------------------|
| S57 | 9817   | generat\$4 and "control message"   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/01 16:51 |
| S58 | 14821  | generat\$4 and control adj3 messag\$4 and (network or LAN or WAN)  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/01 16:51 |
| S59 | 22     | "5933422"  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 08:32 |
| S60 | 21     | ("5933422").URPN.  | USPAT                        | OR | OFF | 2004/10/04 08:34 |
| S61 | 7      | ("5235599"   "5333131"   "5539744"   "5633868"   "5654962"   "5715237"   "5887127").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:42 |
| S62 | 2850   | self-heal\$  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:42 |
| S63 | 932    | self-heal\$ and network  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:42 |
| S64 | 535    | self-heal\$ and network and node   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:43 |
| S65 | 378    | self-heal\$ and network and node and (packet\$ or message\$)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:43 |
| S66 | 306    | self-heal\$ and network and node and (packet\$ or message\$) and (reason\$3 or cause\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 08:45 |
| S67 | 306    | self-heal\$ and network and node and (packet\$ or message\$) and (reason\$3 or cause\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/10/04 10:41 |
| S68 | 149955 | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3)   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 10:42 |
| S69 | 748    | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3)  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 10:43 |
| S70 | 442    | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL")  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 10:45 |
| S71 | 442    | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL" OR "SECURITY ARCHITECTURE FOR THE INTERNET PROTOCOL")   | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 10:46 |
| S72 | 442    | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL" OR "SECURITY ARCHITECTURE FOR THE INTERNET PROTOCOL" OR "RFC 2409" OR "RFC 2408" OR "RFC 2401") | US-PGPUB;<br>USPAT           | OR | ON  | 2004/10/04 10:46 |
| S73 | 143    | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL" OR "SECURITY ARCHITECTURE FOR THE INTERNET PROTOCOL" OR "RFC 2409" OR "RFC 2408" OR "RFC 2401") | USPAT                        | OR | ON  | 2004/10/04 10:47 |

## EAST Search History

|     |       |  |       |    |    |                  |
|-----|-------|--|-------|----|----|------------------|
| S74 | 143   | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL" OR "SECURITY ARCHITECTURE FOR THE INTERNET PROTOCOL" OR "RFC 2409" OR "RFC 2408" OR "RFC 2401") | USPAT | OR | ON | 2004/10/04 11:05 |
| S75 | 232   | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3) AND (security adj4 association\$3)  | USPAT | OR | ON | 2004/10/04 11:13 |
| S76 | 83151 | (LAN or WAN or network) and (control\$3 or event\$3) and (message\$3 or packet\$3)   | USPAT | OR | ON | 2004/10/04 11:14 |
| S77 | 3228  | (LAN.ab. or WAN.ab. or network.ab.) and (control\$3.ab. or event\$3.ab.) and (message\$3.ab. or packet\$3.ab.)   | USPAT | OR | ON | 2004/10/04 11:14 |
| S78 | 626   | (LAN.ab. or WAN.ab. or network.ab.) and (control\$3.ab. or event\$3.ab.) and (message\$3.ab. or packet\$3.ab.) and (node\$3.ab.)   | USPAT | OR | ON | 2004/10/04 13:38 |
| S79 | 15    | (LAN.ab. or WAN.ab. or network.ab.) and (control\$3.ab. or event\$3.ab.) and (message\$3.ab. or packet\$3.ab.) and (node\$3.ab.) and (action\$3.ab.)   | USPAT | OR | ON | 2004/10/04 13:07 |
| S80 | 97    | (LAN.ab. or WAN.ab. or network.ab.) and (control\$3.ab. or event\$3.ab.) and (message\$3.ab. or packet\$3.ab.) and (node\$3.ab.) and (action\$3.ab. or response\$3.ab. or reason\$2.ab.)   | USPAT | OR | ON | 2004/10/04 11:16 |
| S81 | 0     | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or response\$3.clm. or action\$3.clm.)  | USPAT | OR | ON | 2004/10/04 13:40 |
| S82 | 0     | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.)   | USPAT | OR | ON | 2004/10/04 13:40 |
| S83 | 4601  | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.)   | USPAT | OR | ON | 2004/10/04 13:41 |
| S84 | 246   | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm.)  | USPAT | OR | ON | 2004/10/04 13:41 |
| S85 | 0     | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and (ike.clm. or isakmp.clm. or ipsec.clm. or "internet key exchange".clm.)  | USPAT | OR | ON | 2004/10/04 13:42 |
| S86 | 0     | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and (ike.clm. or isakmp.clm. or ipsec.clm.)  | USPAT | OR | ON | 2004/10/04 13:43 |
| S87 | 709   | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm.  | USPAT | OR | ON | 2004/10/04 13:43 |
| S88 | 2389  | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.)  | USPAT | OR | ON | 2004/10/04 13:43 |
| S89 | 709   | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm.  | USPAT | OR | ON | 2004/10/04 13:43 |
| S90 | 260   | (control.clm. or event\$3.clm.) and (message\$3.clm. or packet\$3.clm.) and network\$3.clm. and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and ("709"/\$.ccls. or "713"/\$.ccls. or "714"/\$.ccls.)   | USPAT | OR | ON | 2004/10/04 13:44 |
| S91 | 66    | S77 and S90  | USPAT | OR | ON | 2004/10/04 13:58 |
| S92 | 1576  | 709/223.ccls.  | USPAT | OR | ON | 2004/10/04 13:58 |

## EAST Search History

|      |      |  |       |    |    |                  |
|------|------|--|-------|----|----|------------------|
| S93  | 5256 | (709/223.ccls. or 709/224.ccls. or 709/227.ccls. or 709/228.ccls. or 709/229.ccls.)  | USPAT | OR | ON | 2004/10/04 14:46 |
| S94  | 3640 | S93 and network.clm.   | USPAT | OR | ON | 2004/10/04 13:59 |
| S95  | 1392 | S93 and network.clm. and (control\$3.clm. or "event\$3.clm")   | USPAT | OR | ON | 2004/10/04 14:00 |
| S96  | 612  | S93 and network.clm. and (control\$3.clm. or "event\$3.clm") and (messag\$4.clm. or packet\$3.clm.)  | USPAT | OR | ON | 2004/10/04 14:00 |
| S97  | 85   | S93 and network\$3.clm. and (control\$3.clm. or "event\$3.clm") and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm.   | USPAT | OR | ON | 2004/10/04 14:01 |
| S98  | 2618 | (709/227.ccls. or 709/230.ccls. or 709/236.ccls. or 709/237.ccls.)   | USPAT | OR | ON | 2004/10/04 14:50 |
| S99  | 67   | (709/227.ccls. or 709/230.ccls. or 709/236.ccls. or 709/237.ccls.) and network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm.   | USPAT | OR | ON | 2004/10/04 14:55 |
| S100 | 5    | (714/55.ccls. or 714/51.ccls. or 714/43.ccls. or 714/30.ccls.) and network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm.   | USPAT | OR | ON | 2004/10/04 14:58 |
| S101 | 4    | (714/55.ccls. or 714/51.ccls. or 714/43.ccls. or 714/30.ccls.) and network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3 adj\$4 cotrol\$3)  | USPAT | OR | ON | 2004/10/04 14:59 |
| S102 | 5    | (714/55.ccls. or 714/51.ccls. or 714/43.ccls. or 714/30.ccls.) and network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3 adj\$4 control\$3)   | USPAT | OR | ON | 2004/10/04 15:12 |
| S103 | 746  | network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3 adj\$4 control\$3)  | USPAT | OR | ON | 2004/10/04 15:12 |
| S104 | 15   | network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3 adj\$4 control\$3) and (IKE OR ISAKMP OR IPSEC OR "INTERNET KEY EXCHANGE" OR "IP SECURITY" OR "INTERNET SECURITY ASSOCIATION AND KEY MANAGEMENT PROTOCOL" OR "SECURITY ARCHITECTURE FOR THE INTERNET PROTOCOL") | USPAT | OR | ON | 2004/10/04 15:14 |
| S105 | 746  | network\$3.clm. and (control\$3.clm. or "event\$3.clm" or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3 adj\$4 control\$3)  | USPAT | OR | ON | 2004/10/04 15:23 |
| S106 | 738  | network\$3.clm. and (control\$3.clm. or "event\$3.clm." or alarm\$3.clm.) and (messag\$4.clm. or packet\$3.clm.) and (node\$3.clm. or device\$3.clm.) and (reason\$3.clm. or action\$3.clm. or response\$3.clm.) and protocol.clm. and (transfer\$3.clm. adj\$4 control\$3.clm.)   | USPAT | OR | ON | 2004/10/04 15:24 |
| S107 | 39   | network\$3.ab. and (control\$3.ab. or "event\$3.ab." or alarm\$3.ab.) and (messag\$4.ab. or packet\$3.ab.) and (node\$3.ab. or device\$3.ab.) and (reason\$3.ab. or action\$3.ab. or response\$3.ab.) and protocol.ab. and (transfer\$3.ab. adj\$4 control\$3.ab.)   | USPAT | OR | ON | 2004/10/04 15:30 |
| S108 | 13   | S106 and S107  | USPAT | OR | ON | 2004/10/04 15:24 |

## EAST Search History

|      |         |  |                    |    |     |                  |
|------|---------|--|--------------------|----|-----|------------------|
| S109 | 823     | generat\$3 adj4 control adj4 messag\$3   | USPAT              | OR | ON  | 2004/10/04 15:30 |
| S110 | 366     | (generat\$3 adj4 control adj4 messag\$3) and (network.clm. or network.ab.)   | USPAT              | OR | ON  | 2004/10/04 15:32 |
| S111 | 277     | (generat\$3 adj4 control adj4 messag\$3) and (network.clm. or network.ab.) and method.clm.   | USPAT              | OR | ON  | 2004/10/04 16:44 |
| S112 | 11      | (generat\$3 adj4 control adj4 messag\$3) and (network.clm. or network.ab.) and method.clm. and product.clm.  | USPAT              | OR | ON  | 2004/10/04 15:32 |
| S113 | 0       | "method and arrangement to secure access"  | USPAT              | OR | ON  | 2004/10/04 16:17 |
| S114 | 0       | 0054794a1  | USPAT              | OR | ON  | 2004/10/04 16:18 |
| S115 | 11      | "0054794"\$4   | USPAT              | OR | ON  | 2004/10/04 16:18 |
| S116 | 7354227 | us 2004/0054794\$4   | USPAT              | OR | ON  | 2004/10/04 16:18 |
| S117 | 6       | (generat\$3 adj4 control adj4 messag\$3) and (network.clm. or network.ab.) and method.clm. and ("713"/\$.ccls.)  | USPAT              | OR | ON  | 2004/10/04 16:45 |
| S118 | 2       | (generat\$3 adj4 control adj4 messag\$3) and (network.clm. or network.ab.) and method.clm. and (713/171.ccls. or 713/168.ccls. or 713/150.ccls. or 713/152.ccls. or 713/153.ccls. or 713/160.ccls.)                                | USPAT              | OR | ON  | 2004/10/04 16:46 |
| S119 | 1062    | (713/171.ccls. or 713/168.ccls. or 713/150.ccls. or 713/152.ccls. or 713/153.ccls. or 713/160.ccls.)   | USPAT              | OR | ON  | 2004/10/04 16:47 |
| S120 | 220004  | generate and (event or alarm or messag\$3)   | USPAT              | OR | ON  | 2004/10/04 16:47 |
| S121 | 79647   | generate and (event or alarm or messag\$3) and network\$3  | USPAT              | OR | ON  | 2004/10/04 16:47 |
| S122 | 21905   | generate and (event or alarm or messag\$3) and network\$3 and node\$3  | USPAT              | OR | ON  | 2004/10/04 16:48 |
| S123 | 23639   | generate and (event or alarm or messag\$3 or packet) and network\$3 and node\$3  | USPAT              | OR | ON  | 2004/10/04 16:48 |
| S124 | 640     | generate.clm. and (event.clm. or alarm.clm. or messag\$3.clm. or packet.clm.) and network\$3.clm. and node\$3.clm.   | USPAT              | OR | ON  | 2004/10/04 16:49 |
| S125 | 41      | generate.clm. and (event.clm. or alarm.clm. or messag\$3.clm. or packet.clm.) and network\$3.clm. and node\$3.clm. and generate.ab. and (event.ab. or alarm.ab. or messag\$3.ab. or packet.ab.) and network\$3.ab. and node\$3.ab. | USPAT              | OR | ON  | 2004/10/04 16:49 |
| S126 | 329     | 713/171.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/05 11:43 |
| S127 | 232     | 713/171.ccls.  | USPAT              | OR | ON  | 2004/10/05 12:41 |
| S128 | 461     | 713/168.ccls.  | USPAT              | OR | ON  | 2004/10/05 12:43 |
| S129 | 74      | 713/168.ccls. and node   | USPAT              | OR | ON  | 2004/10/05 12:43 |
| S130 | 96      | 713/168.ccls. and network.ab.  | USPAT              | OR | ON  | 2004/10/05 12:44 |
| S131 | 50      | 713/150.ccls. and network.ab.  | USPAT              | OR | ON  | 2004/10/05 12:45 |
| S132 | 29      | 713/152.ccls. and network.ab.  | USPAT              | OR | ON  | 2004/10/05 12:46 |
| S133 | 14      | 714/55.ccls. and network.ab.   | USPAT              | OR | ON  | 2004/10/05 12:47 |
| S134 | 6       | 714/51.ccls. and network.ab.   | USPAT              | OR | ON  | 2004/10/05 12:47 |
| S135 | 109     | tcp same ipsec or ip adj sec same ike  | USPAT              | OR | OFF | 2004/10/06 16:55 |
| S136 | 9       | tcp same (ike or "internet key exchange")  | USPAT              | OR | OFF | 2004/10/06 16:57 |

## EAST Search History

|          |       |   |                    |    |     |                  |
|----------|-------|---|--------------------|----|-----|------------------|
| S13<br>7 | 10    | tcp same (isakmp or "internet security association and key management protocol")  | USPAT              | OR | OFF | 2004/10/06 16:57 |
| S13<br>8 | 67    | tcp same (ipsec or "IP security")same protocol  | USPAT              | OR | OFF | 2004/10/06 17:00 |
| S13<br>9 | 7     | S136 and S137 and S138  | USPAT              | OR | OFF | 2004/10/06 17:00 |
| S14<br>0 | 724   | (ike and ipsec and isakmp) or ("internet key exchange" or "ip security" or "internet security association key management protocol")                           | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 08:30 |
| S14<br>1 | 244   | (ike and ipsec and isakmp) or ("internet key exchange" or "ip security" or "internet security association key management protocol") and control adj message   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 08:30 |
| S14<br>2 | 128   | (ike and ipsec and isakmp) or ("internet key exchange" and "ip security" or "internet security association key management protocol") and control adj message  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 08:31 |
| S14<br>3 | 100   | (ike and ipsec and isakmp) or ("internet key exchange" and "ip security" and "internet security association key management protocol") and control adj message | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 08:34 |
| S14<br>4 | 45    | "5167035"   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 09:02 |
| S14<br>5 | 6     | modify\$4 adj security adj association\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 09:09 |
| S14<br>6 | 2     | message and modify\$4 adj security adj association\$3   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:53 |
| S14<br>7 | 0     | "message with reason"   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:53 |
| S14<br>8 | 1052  | messag\$3 adj3 reason\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:54 |
| S14<br>9 | 0     | messag\$3 adj3 reason\$3 and netowkr  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:54 |
| S15<br>0 | 866   | messag\$3 adj3 reason\$3 and network  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:54 |
| S15<br>1 | 30    | control with messag\$3 adj3 reason\$3 and network   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:56 |
| S15<br>2 | 0     | reason.clm. same "code.clm"   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:57 |
| S15<br>3 | 137   | reason.clm. same code.clm.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:57 |
| S15<br>4 | 112   | reason.clm. same code.clm. and network  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 10:57 |
| S15<br>5 | 24    | messag\$3 same reason.clm. same code.clm. and network   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 11:09 |
| S15<br>6 | 3     | generat\$3 same messag\$3 same reason.clm. same code.clm. and network   | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 11:09 |
| S15<br>7 | 16689 | generat\$3 same messag\$3 same network  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 11:10 |
| S15<br>8 | 649   | control.clm. same generat\$3 same messag\$3 same network  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 11:10 |
| S15<br>9 | 23    | control.clm. same generat\$3 same messag\$3 same network same product.clm.  | US-PGPUB;<br>USPAT | OR | ON  | 2004/10/07 11:10 |
| S16<br>0 | 6     | ("20020075807" "20020133727" "5167035" "5572518" "6418205" "6760444").PN.   | US-PGPUB;<br>USPAT | OR | ON  | 2005/07/27 11:56 |
| S16<br>1 | 35    | security adj association with (edit\$ modify\$)   | US-PGPUB;<br>USPAT | OR | ON  | 2005/08/05 07:07 |
| S16<br>2 | 1     | "6760444".pn.   | US-PGPUB;<br>USPAT | OR | ON  | 2005/08/06 11:34 |
| S16<br>3 | 2336  | leung.in.   | US-PGPUB;<br>USPAT | OR | ON  | 2005/08/06 11:34 |
| S16<br>4 | 29    | leung.in. and cisco.as.   | US-PGPUB;<br>USPAT | OR | ON  | 2005/08/06 11:35 |



## EAST Search History

|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S16<br>5 | 11  | leung.in. and cisco.as. and security adj association   | US-PGPUB;<br>USPAT   | OR | ON | 2005/08/06 11:35 |
| S16<br>6 | 4   | leung.in. and cisco.as. and security adj association   | USPAT  | OR | ON | 2005/08/06 11:35 |
| S16<br>7 | 12  | ("4692918"   "5016244"   "5018133"   "5218600"   "5371852"  <br>"5473599"   "5793762"   "6119160"   "6148074"   "6339830"  <br>"6377982"   "6535493").PN.                              | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2005/08/06 11:36 |
| S16<br>8 | 1   | ("4692918"   "5016244"   "5018133"   "5218600"   "5371852"  <br>"5473599"   "5793762"   "6119160"   "6148074"   "6339830"  <br>"6377982"   "6535493").PN. and security adj association | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2005/08/06 11:36 |
| S16<br>9 | 121 | (modify modified) with payload with protocol   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/25 07:01 |
| S17<br>0 | 0   | (modify modified) with payload with protocol with (reason flag<br>indication)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/25 07:02 |
| S17<br>1 | 121 | (modify modified) with payload with protocol   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/25 11:45 |